

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-9. (canceled).

Claim 10 (currently amended): Motor-vehicle independent suspension for connection of a wheel-carrier (1) of a vehicle wheel (2) to the vehicle structure, the suspension comprising a first, a second and a third connection member (10, 11, 12) each having at the one end a first point of articulation (22, 14, 16) for articulation to the wheel-carrier (1) and at the opposite end a second point of articulation (23, 15, 17) for articulation to the vehicle structure,

wherein the first connection member (10) is a ~~rod-like~~ rod member arranged to control one degree of freedom of translation (t) of the wheel-carrier (1) along a first axis (y) extending in the transverse direction of the vehicle,

wherein the second connection member (11) is a rod-like arranged to control one degree of freedom of translation (t1) of the wheel-carrier (1) along a second axis (y1) substantially passing through its points of articulation (14, 15),

wherein the third connection member (12) is a rod-like member arranged to control one degree of freedom of translation (t2) of the wheel-carrier (1) along a third axis (y2) substantially passing through its points of articulation (16, 17), and

wherein the first ~~rod-like~~ rod connection member (10) is also arranged to control the remaining two degrees of freedom of the wheel-carrier (1) by virtue of its torsional stiffness about the first axis (y) and about a direction (z) substantially perpendicular to the first axis (y).

Claim 11 (currently amended): Suspension according to Claim 10, wherein the first ~~rod-like~~ rod connection member (10) is arranged to control a second degree of freedom (r1) of rotation of the wheel-carrier (1) about the first axis (y) and a third degree of freedom (r2) of rotation of the wheel-carrier (1) about a direction (z) substantially perpendicular to the first axis (y).

Claim 12 (currently amended): Suspension according to Claim 11, wherein the first ~~rod-like~~ rod connection member (10) comprises an elongated central body (21) carrying at its ends a first seat (22) for at least one first bush (24) for articulation to the wheel-carrier (1) and a second seat (23) for at least one second bush (25) for articulation to the vehicle structure.

Claim 13 (currently amended): Suspension according to Claim 12, wherein each of said first and second seats (22, 23) of the first ~~rod-like~~ rod connection member (10) carries a pair of bushes (24, 25) defining a respective axis of articulation (x1, x2).

Claim 14 (currently amended): Suspension according to Claim 12, wherein each of said first and second seats (22, 23) of the first ~~rod-like~~ rod connection member (10) carries only one bush (24, 25) defining a respective axis of articulation (x1, x2).

Claim 15 (currently amended): Suspension according to Claim 13, wherein the axes of articulation (x1, x2) of the first ~~rod-like-rod~~ rod connection member (10) are substantially perpendicular to the first axis (y).

Claim 16 (currently amended): Suspension according to Claim 13, wherein the axes of articulation (x1, x2) of the first ~~rod-like-rod~~ rod connection member (10) are substantially parallel to each other.

Claim 17 (currently amended): Suspension according to Claim 12, wherein each of said first and second seat (22, 23) of the first ~~rod-like-rod~~ rod connection member (10) carries a pair of bushes (24, 25) defining a respective axis of articulation (x1, x2), wherein the axes of articulation (x1, x2) of the first ~~rod-like-rod~~ rod connection member (10) are substantially perpendicular to the first axis (y), and wherein the axes of articulation (x1, x2) of the first ~~rod-like-rod~~ rod connection member (10) are substantially parallel to each other.

Claim 18 (currently amended): Suspension according to Claim 12, wherein each of said first and second seats (22, 23) of the first ~~rod-like-rod~~ rod connection member (10) carries only one bush (24, 25) defining a respective axis of articulation (x1, x2), wherein the axes of articulation (x1, x2) of the first ~~rod-like-rod~~ rod connection member (10) are substantially perpendicular to the first axis (y), and wherein the axes of articulation (x1, x2) of the first ~~rod-like-rod~~ rod connection member (10) are substantially parallel to each other.

Claim 19 (currently amended): Suspension according to Claim 12, wherein the central body (21) of the first ~~rod-like-rod~~ rod connection member (10) has a cylindrical tubular structure.

Claim 20 (currently amended): Suspension according to Claim 12, wherein the ratio between the longitudinal size and the transverse size of the first ~~rod-like-rod~~ rod connection member (10) is at least three.